CAMP Mobility Snapshot CWG #2 - October 2016

CHAUTAUQUA









Snapshot Outline

- 1. Data Overview
- 2. Key Data Findings



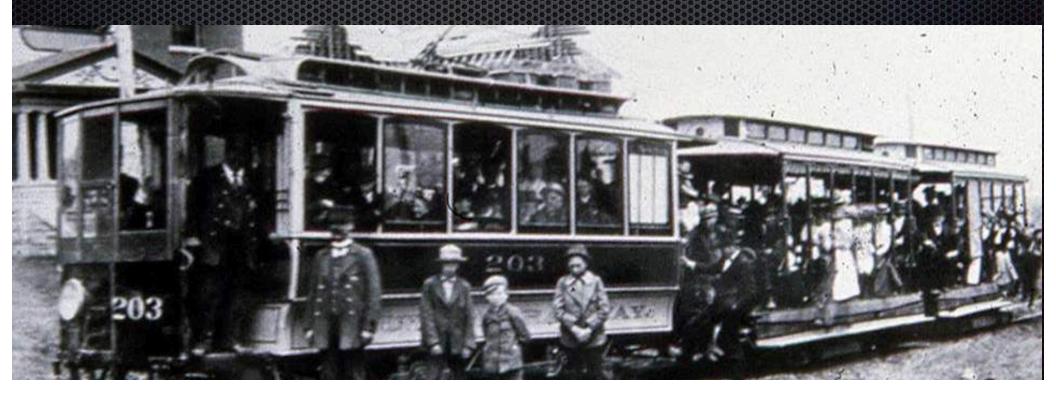
CAMP Snapshot

Question:

Are Chautauqua's parking and mobility demands changing?

Answer:

Yes, data indicates dynamic changes are occurring.



1. Data Overview



Arrival Data

- 5,000 unique signals studied with Acyclica readers at 6 location over 2 days
 - . Chautauqua Green
 - Baseline and 8th
 - . 9th/Canyon
 - 28th/Colorado
 - Broadway/Table Mesa
 - Broadway/Baseline
- . 783 signal matches during analysis



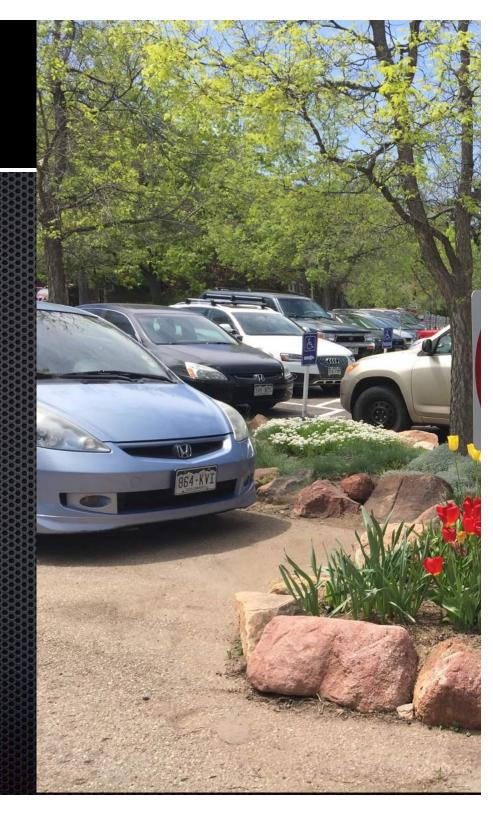
Traffic/Speed Data

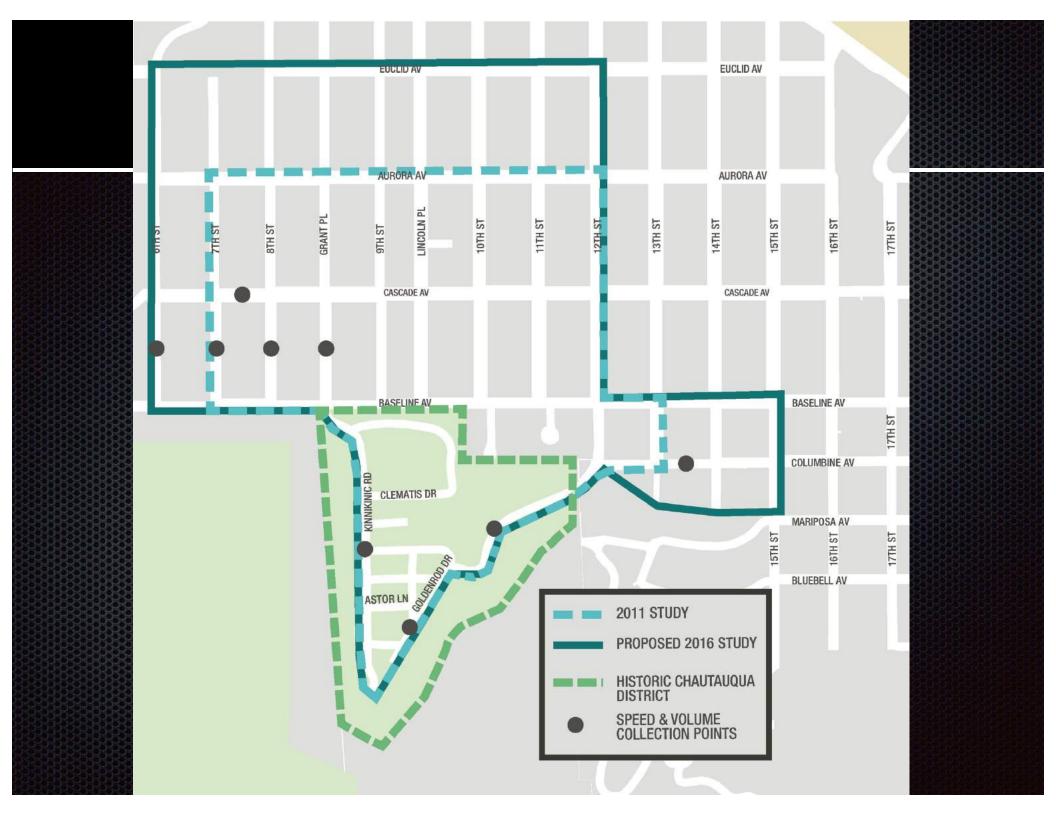
- . 11 locations studied
 - Cascade, 6th, 7th, 8th, 9th, 12th, Grant, Kinnikinic, Baseline east, Baseline west, Columbine
- . At least 7 days studied at each location
- . Weekdays and weekends studied
- Over 1,000 total hours of data analyzed



Parking Data

- . 3,029 spaces studied for utilization and duration
- . Studied leasehold and adjacent neighborhoods
- . 11 different days studied
- . 8 hours per day walking and city LPR car
- . 125 miles walked
- . 360,000 data points analyzed





People on Bikes

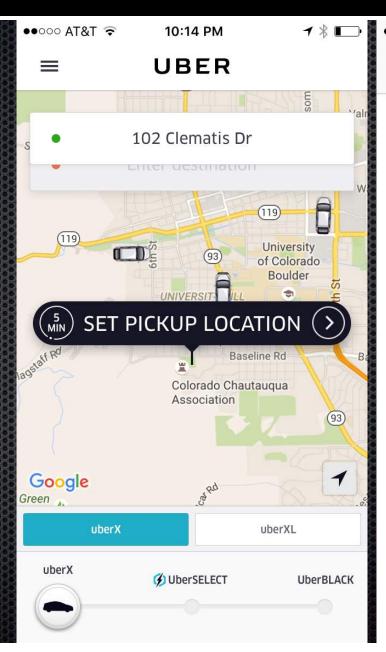
- Parked bikes studied at formal and informal locations over 9 days
- Studied possible routes, challenges and opportunities
- . Approximate 460 parked bikes analyzed

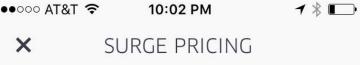


Ridesharing

2 events
 studied at
 beginning and
 end of the
 performance

. 3 days of pickup observations in green, ranger lot and academic hall





Demand is off the charts! Fares have increased to get more Ubers on the road.



NOTIFY ME WHEN SURGE DROPS

I ACCEPT HIGHER FARE

Shared Streets

- . 4 hours of video on lower and upper Kinnikinic
- 2 different days of data collection
- . Approximately 86 people studied using the shared street



RRC Site-wide Survey

- . Conducted site-wide
- 1,491 respondents from June to September 2016
- Results comparable to 2011 survey
- +/-2.5 percentcalculated margin of error

Chautauqua Area Visitor Survey Summer 2016 Final Results

September 2016



Prepared for: City of Boulder Community Vitality

Prepared by: RRC Associates, Inc. 4770 Baseline Road, Ste 360 Boulder, CO 80303 303/449-6558

www.rrcassociates.com





OSMP Data Collection



- Automated infrared visitation counters
- Intercept survey
- 8 data collection sites
- Trending data
- 122 days Aug through Nov







2. Key Data Findings



OSMP Chautauqua Study Area: 2004 and 2015 Monthly Visitation Estimates

Total number of Chautauqua study area visits by month, for 2004 and 2015

Month	2004 Visits	2015 Visits	% Increase
August	42,000	104,000	147%
September	36,000	81,000	126%
October	35,000	74,000	112%
November	19,000	54,000	185%
Total	132,000	313,000	138%

OSMP Chautauqua Study Area: 2015 Busiest Days Observed each Month



August ~ 5,000

September ~ 5,100

October ~ 4,700

November ~ 4,300

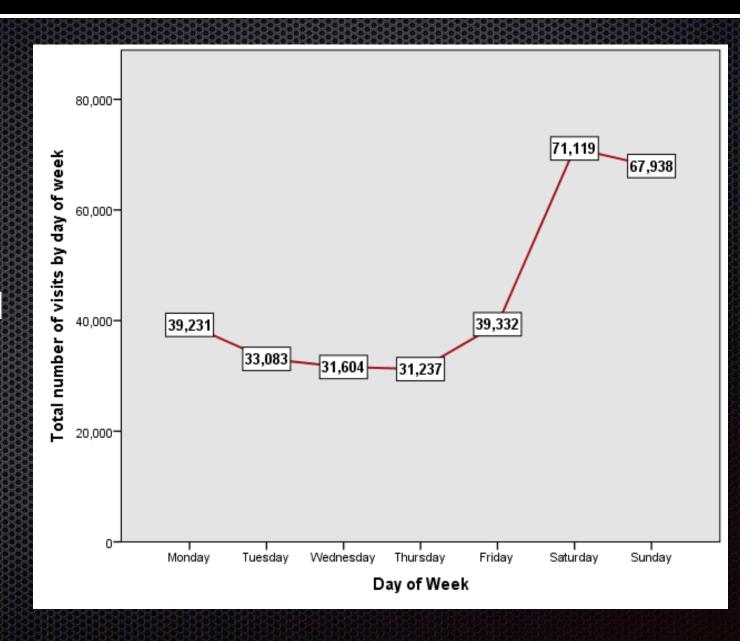
Mean visits per day August to November = 2,570





OSMP Chautauqua Study Area: 2015 Visitation by Day of the Week

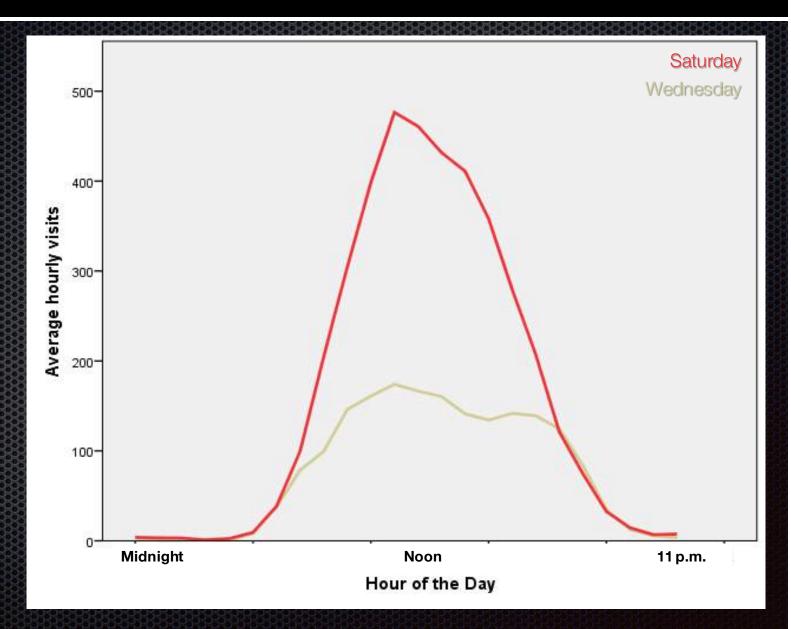
Number of visits is greater on Saturday and Sunday





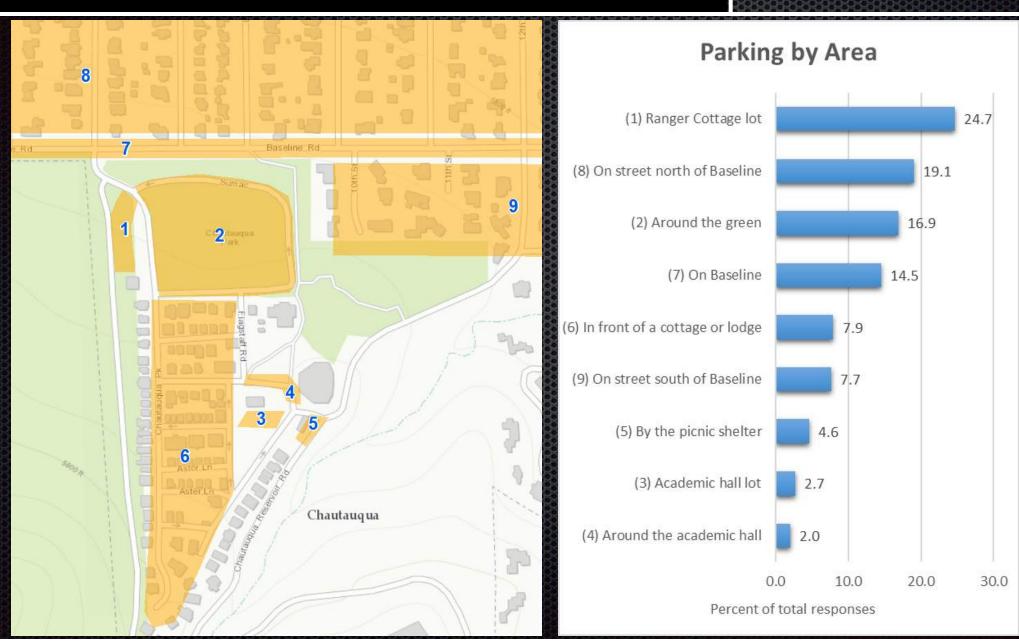
OSMP Chautauqua Study Area: 2015 Average Hourly Visitation on Wed/Sat

Number of visits is greatest mid day, peaking between 11 a.m. and noon



OSMP- Parking by Area





OSMP- Parking Difficulty



~70% reported parking as NEUTRAL to VERY EASY

<u>Difficult</u>	<u>Neutral</u>	<u>Easy</u>	<u>Very Easy</u>
25%	23%	29%	17%

2016 Mode of Arrival Results



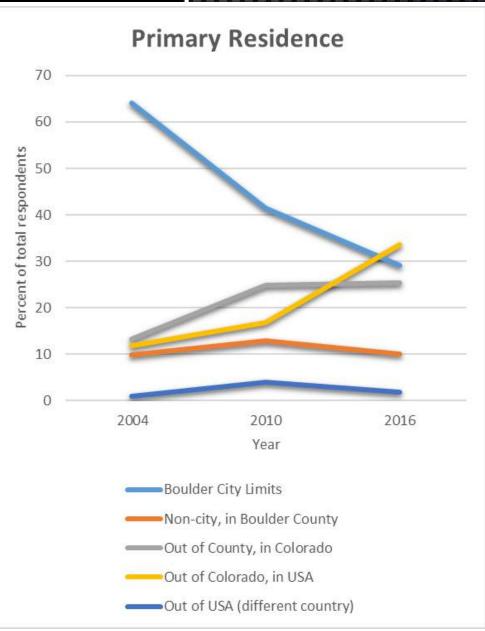
& RRC

	OSMP survey	RRC survey	
Automobile	~ 75% ~ 57%	~ 85% 70 to 90%*	White are all survey respondents
Walk	~ 22% ~ 33%	~ 6% 3 to 21%*	Blue are Boulder residents
Bike	~ 1.5% ~ 4%	~ 2% 1 to 3%*	*ranges vary based on location of Boulder residents

OSMP- Primary Residence



- Percentages have changed as overall visitation has increased
- Largest growth from out-of-state
- Percent City of Boulder residents has decreased



2016 Residency Results



& RRC

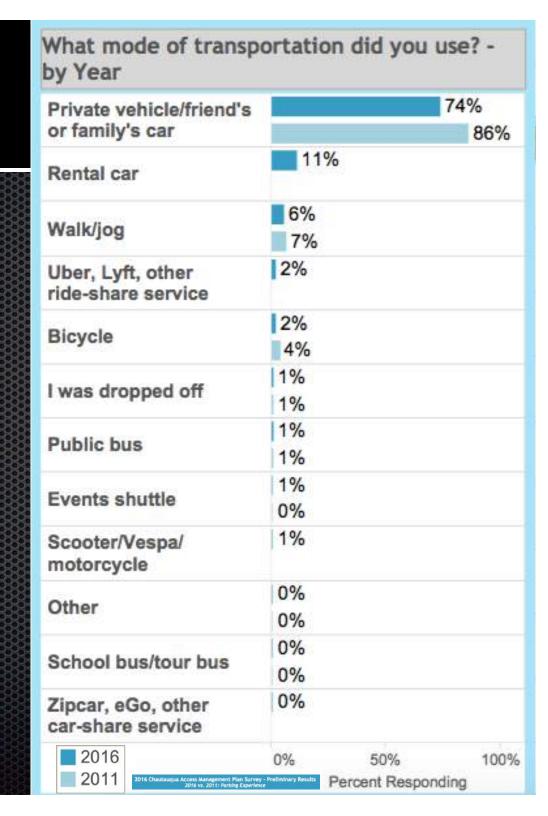


	OSMP survey	RRC survey
City of Boulder Residents	~ 29 %	~ 38%
Non City of Boulder Residents	~ 71 %	~ 62 %

Arrival Data

Summer 2016 – Intercept Survey

- . 85% of people arrive at Chautauqua with an automobile
- 2% of people ridesharing and bicycling
- Moderate changes between 2011 and 2016



Arrival Points

Summer 2016 – Intercept Survey



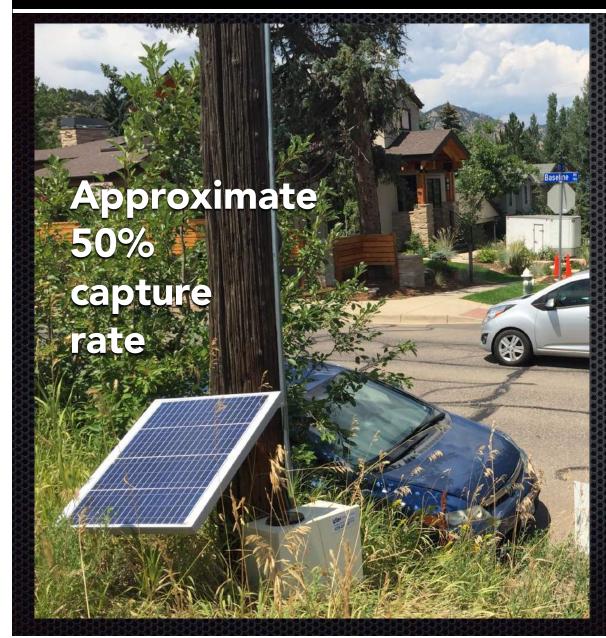
Boulder Residents

Summer 2016 – Intercept Survey Boulder Residents

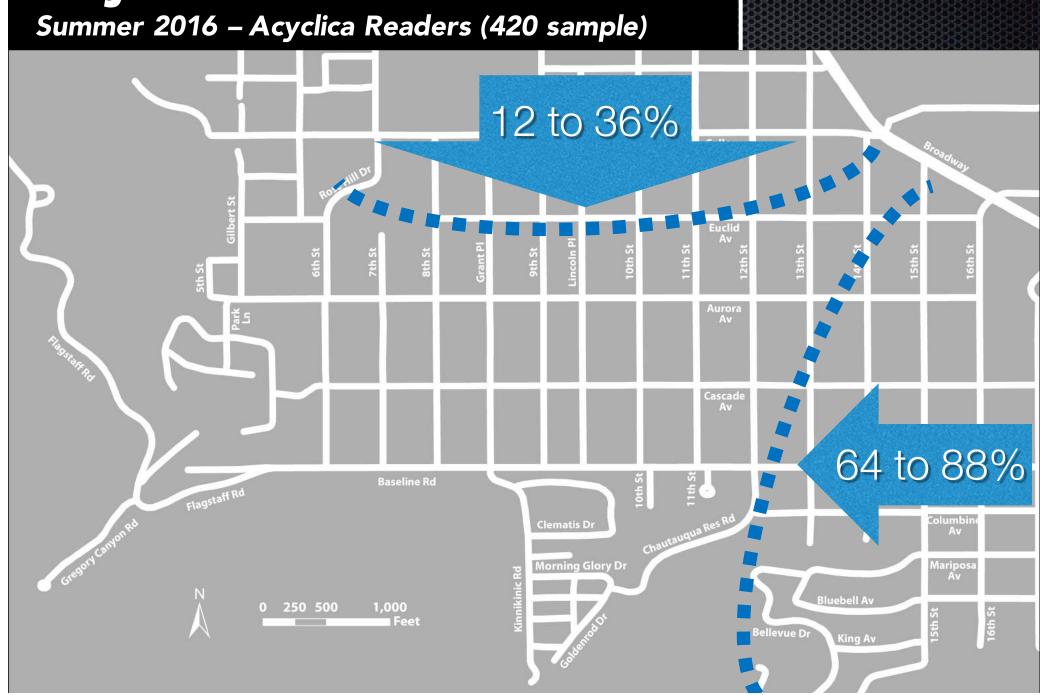
Boulder residents indicated they drive 2-4 miles to Chautauqua a few days a week and find parking in Green, Ranger Lot, or Baseline Road

- . 70% of nearby neighborhood respondents drive up
- . 89% of citywide respondents drive up
- . 57% CU/Naropa student respondents drive up

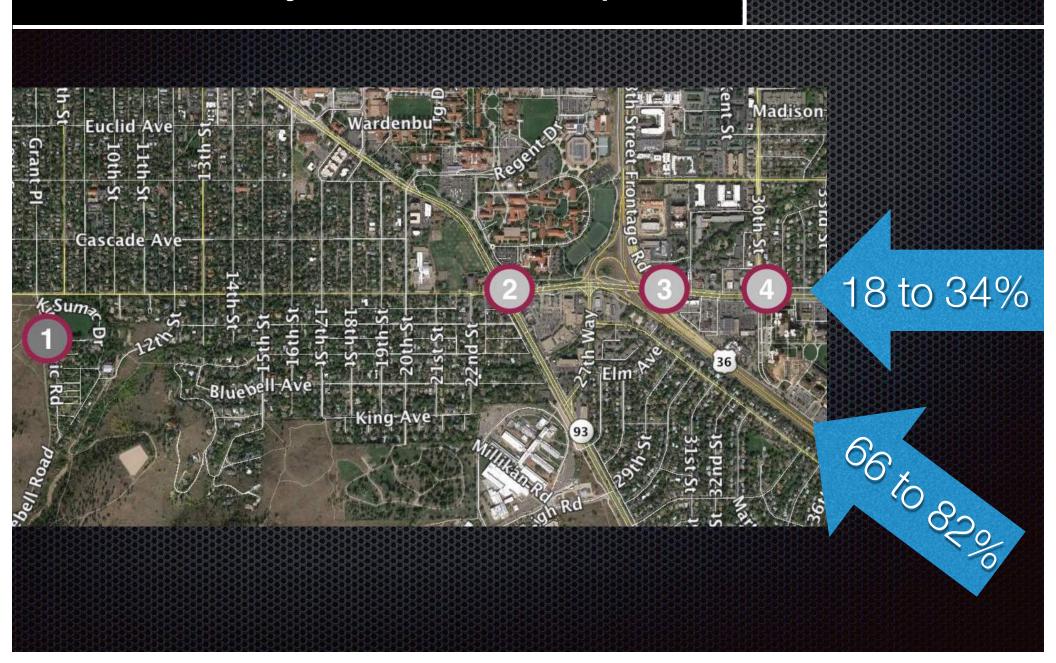




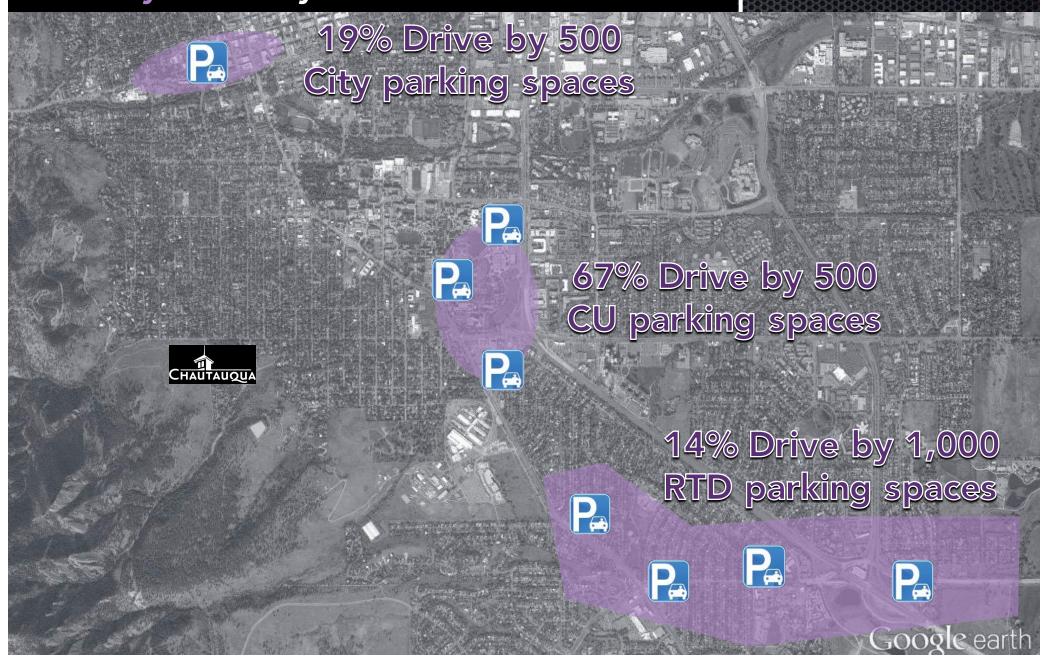




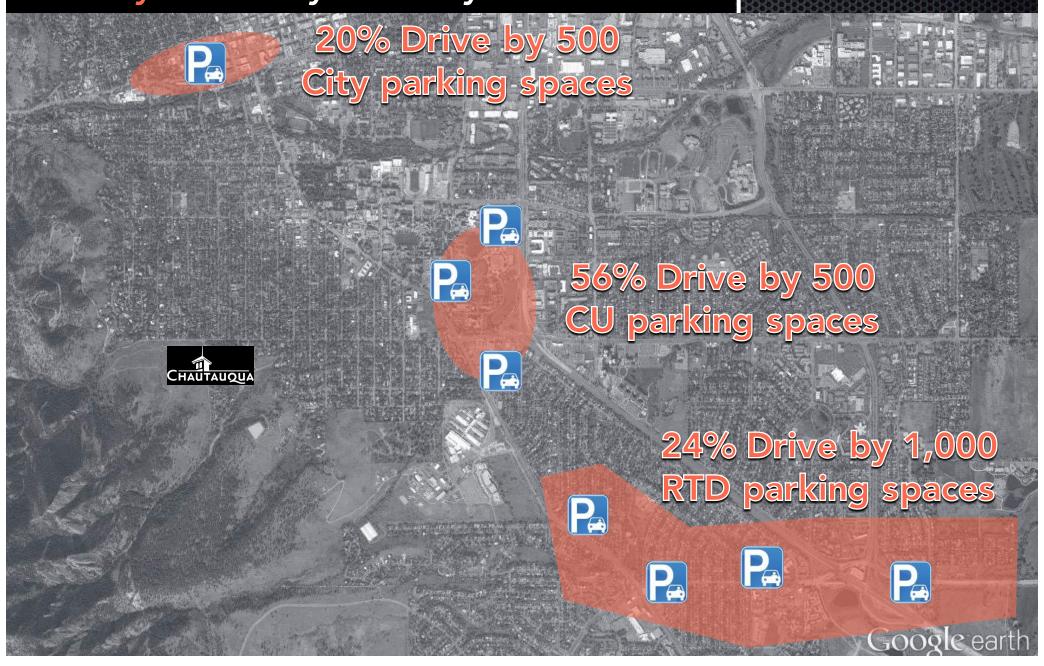
Summer 2016 – Acyclica Readers (280 sample)

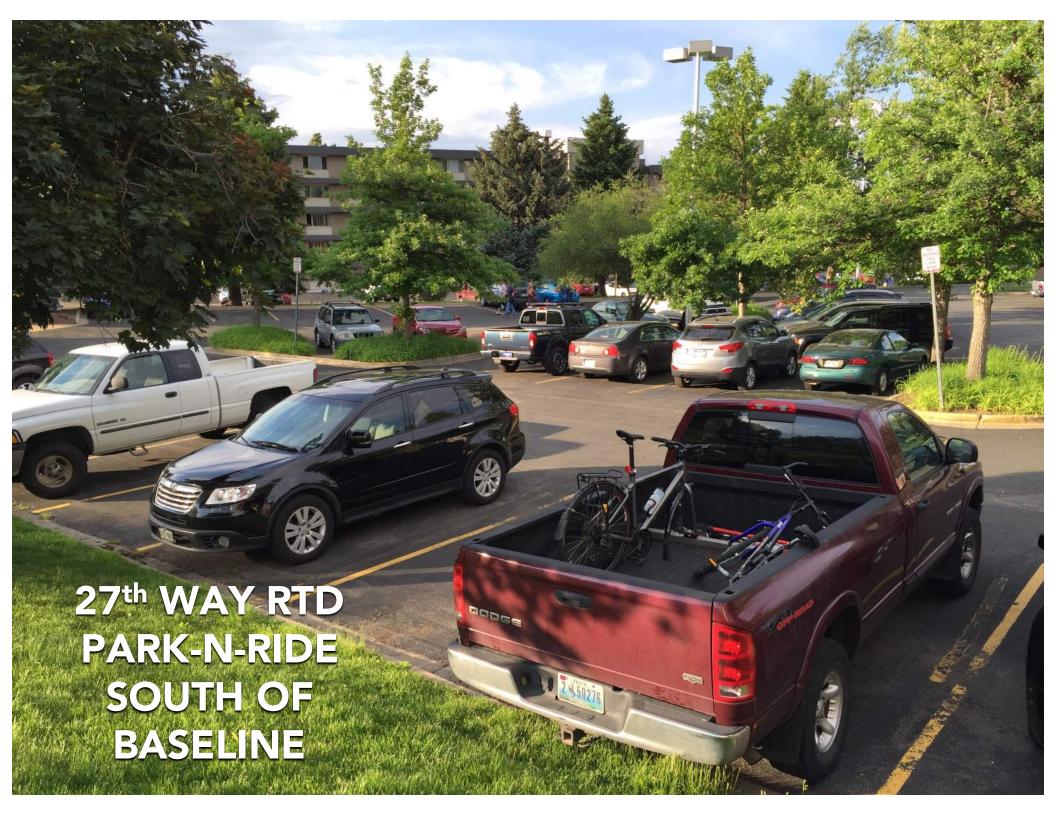


Weekday 2016 - Acyclica Readers



Saturday Concert Day 2016 - Acyclica Readers





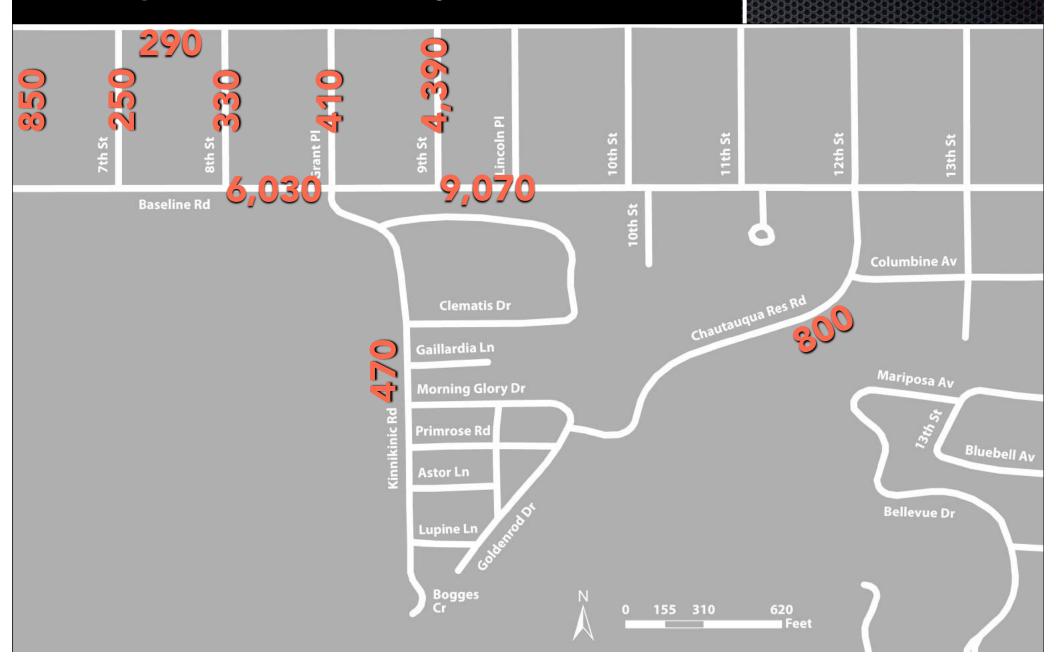
Average Weekday Traffic

Weekday Summer 2016 - 3 days at each location



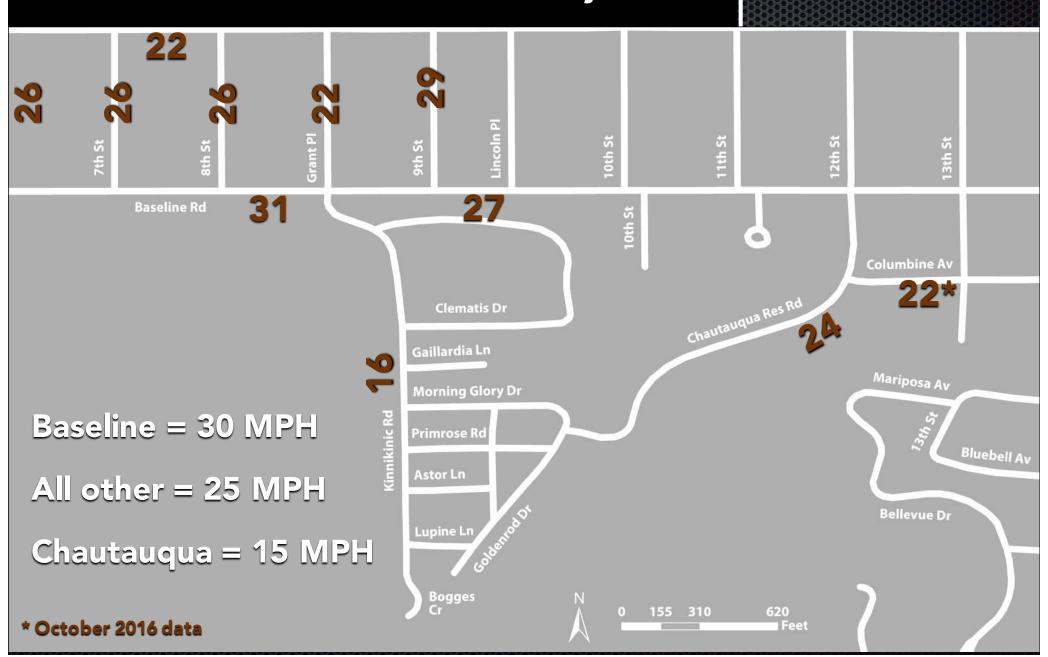
Average Saturday Traffic

Saturday Summer 2016 – 1 day at each location



Speed Data (MPH)

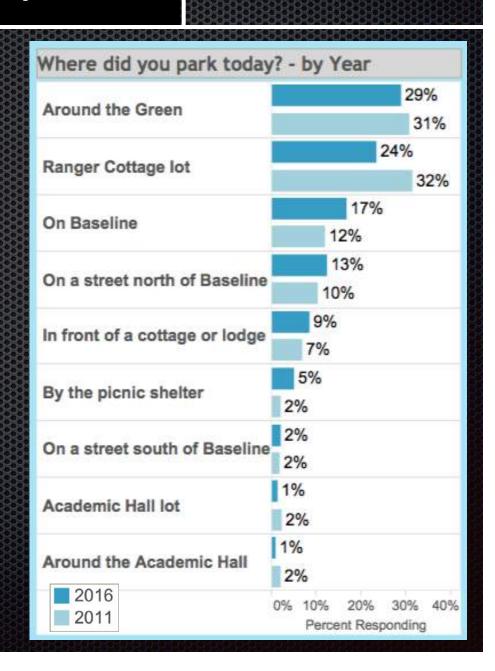
Summer 2016 – 85th Percentile over 4 days



Parking Location

Summer 2016 - Intercept Survey ALL responses

- 53% parking around Green or Ranger lot
- 15% parking in non CCA neighborhoods
- 9% parking in front of a cottage



Parking Duration

Summer 2016 – Intercept Survey ALL responses

- . Typical stay is now closer to 3 hours
- However 46%visiting for lessthan 2 hours



Parking Duration

Summer 2016 - 11 days of 8 hour field study

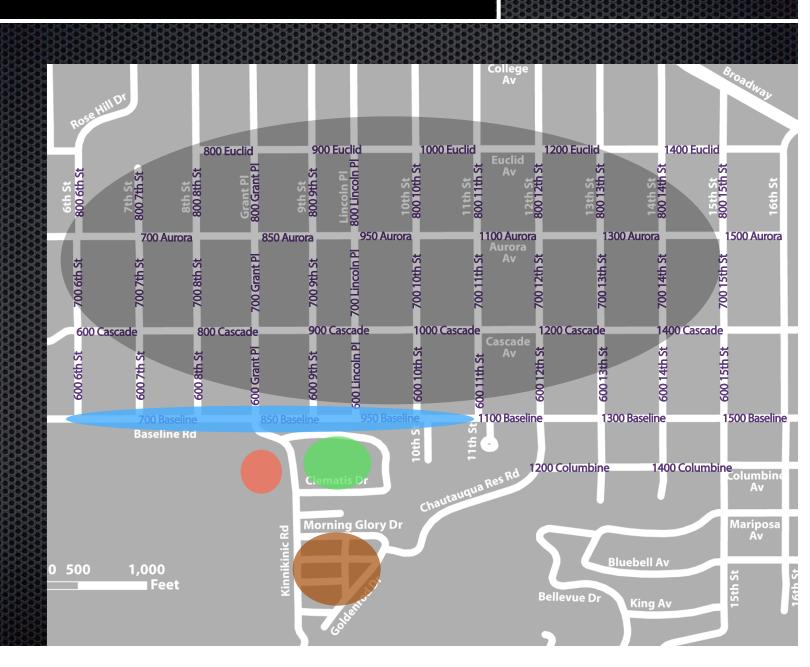
North Neighborhood 2 to 3 Hours

Baseline 1 to 2 Hours

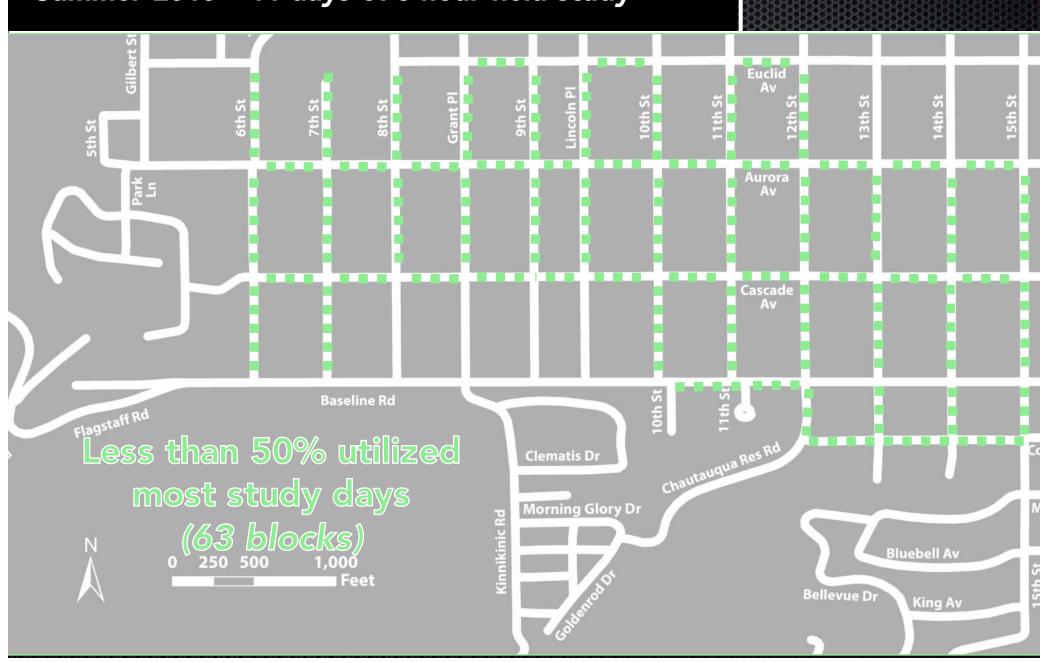
Ranger Lot 2 to 3 Hours

Green 2 to 3 Hours

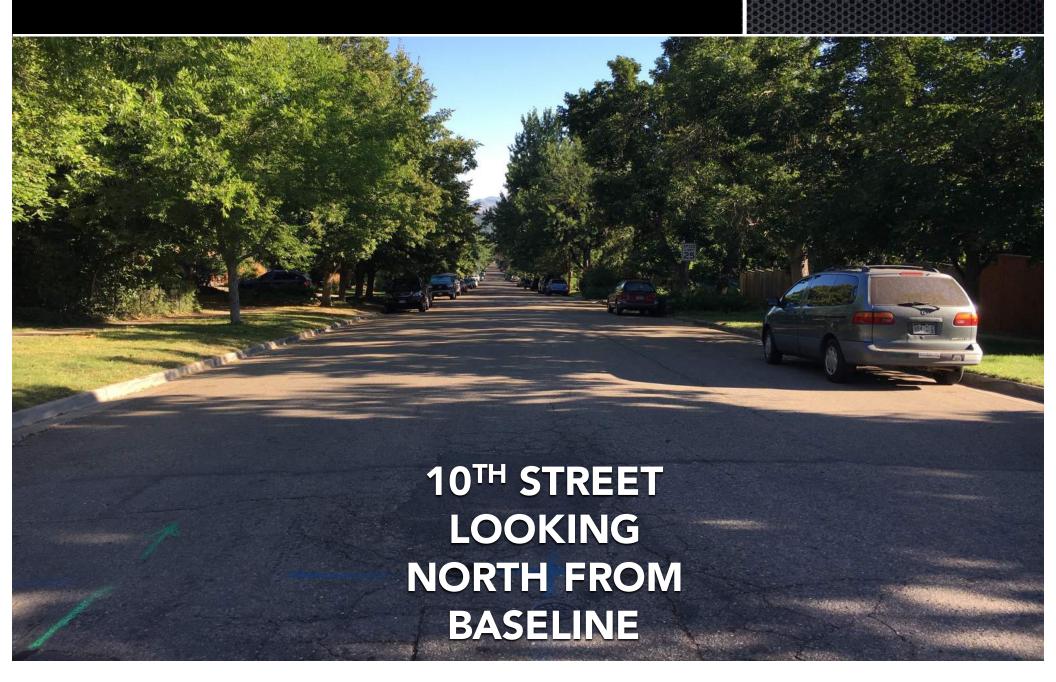
CCA Cottages
3 to 4 Hours

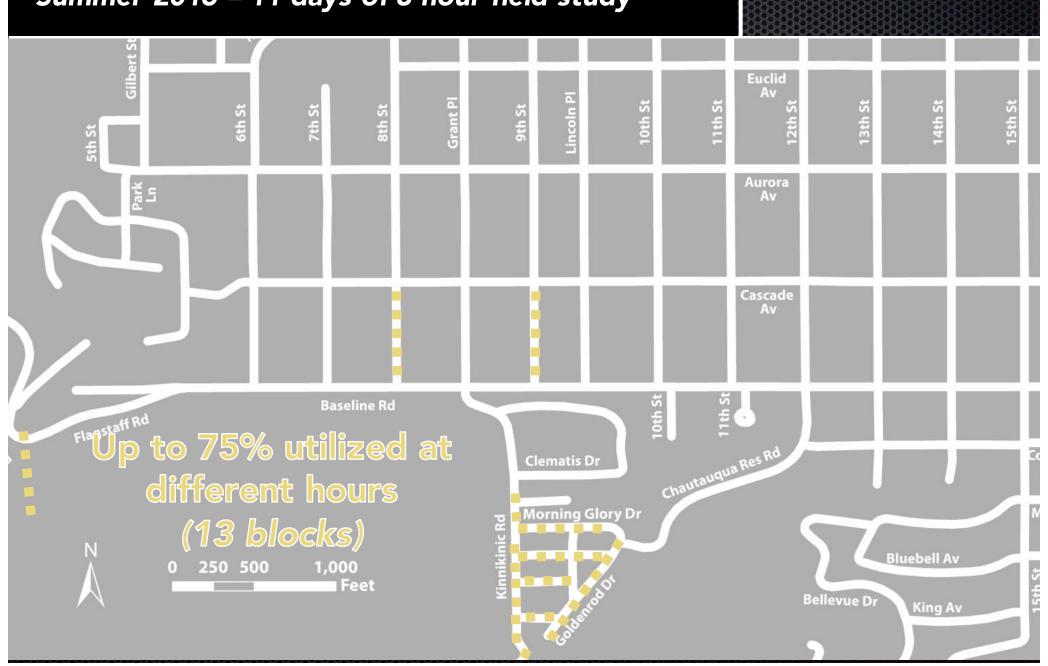




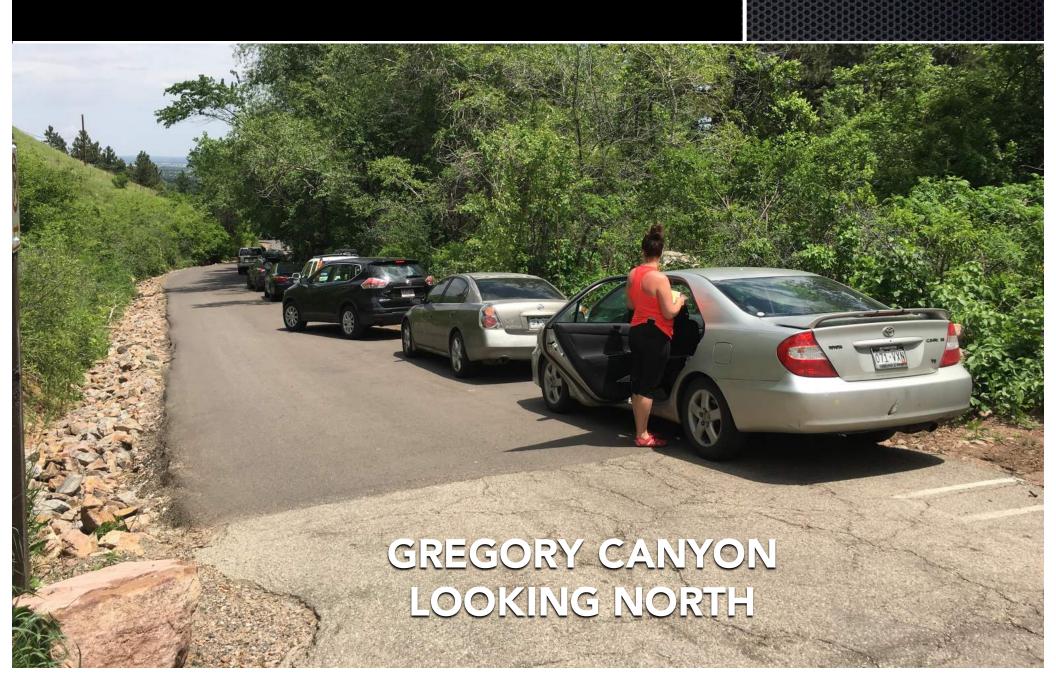


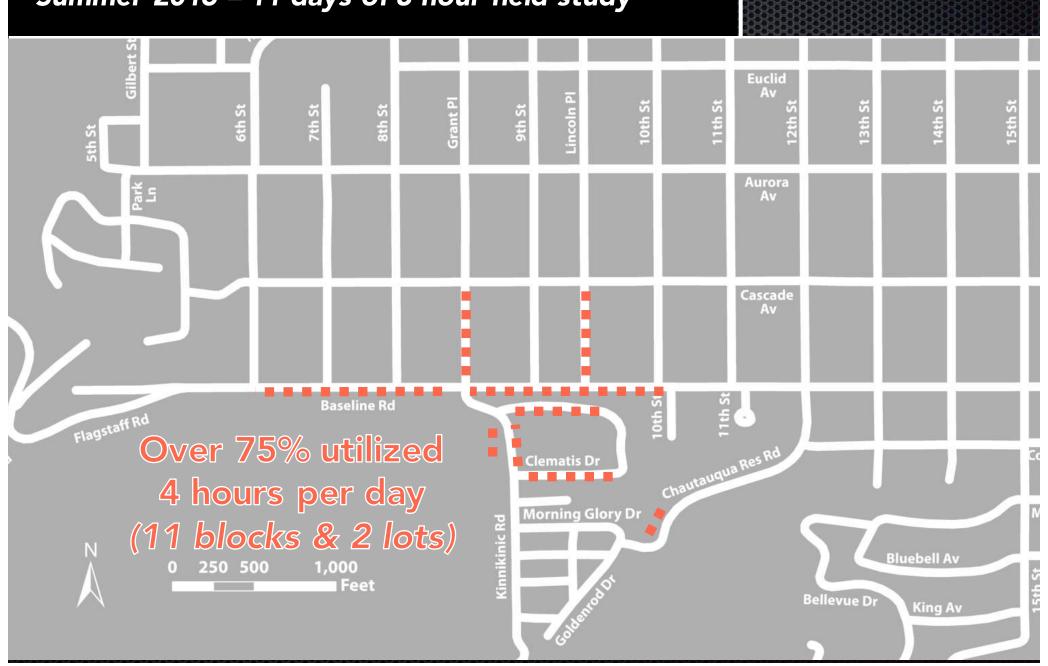
LESS THAN 50%



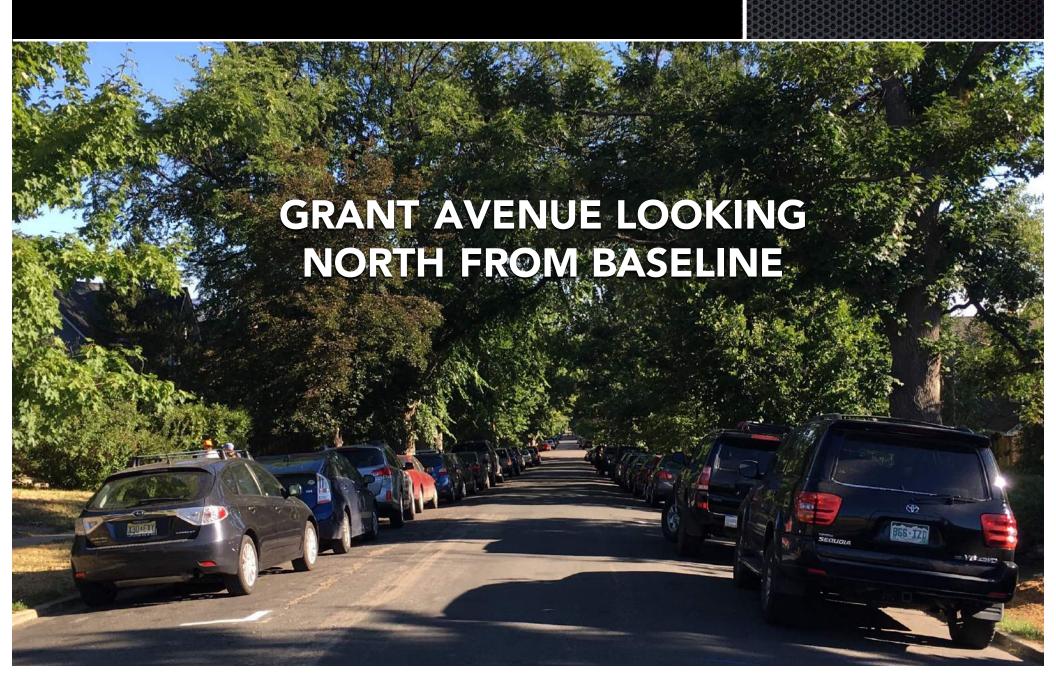


UP TO 75% SOME DAYS

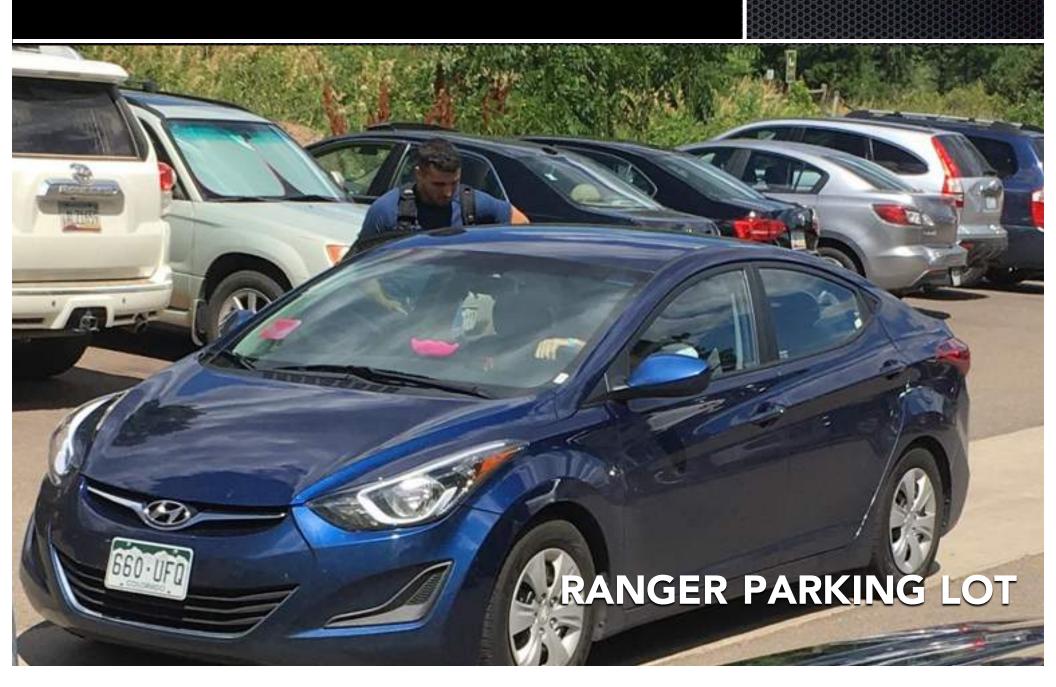




75% DURING 4 HOURS



Ridesharing Drop Off



Ridesharing Drop Off



People on Bikes

- . 13% of CU and Naropa Students arrive by bicycle
- . 3% of Boulder Residents arrive by bicycle
- Bike routes Columbine,
 Cascade, Lincoln, and 6th
 Street
- Climbing lane on Baseline Road









HOP 2 Service

- 21 evenings of shuttle service to CCA events
- 100 to 500passenger rides per event
- . More details to follow at next CWG meeting



Shared Streets

- . 56% of time cars are driving on road alone
- . 35% of time people are walking (no cars)
- 9% of time people driving and walking are interact
- Vehicles are slowing near people walking
- . Typical Group = 2



Thanks

